

Remarks

Applicant has amended the claims to more clearly point out that which is considered to be the present invention by replacing pending claims 1-46, filed in the corresponding PCT application.

Respectfully submitted,



Thomas D. Webster
Attorney/Agent for Applicant
Registration No. 39,872
Phone: 317-276-3334

Eli Lilly and Company
Patent Division/TDW
Lilly Corporate Center
Indianapolis, Indiana 46285

February 12, 2002

WE CLAIM:

Rule
1.126
47. A method for monitoring an effect of administration of a parathyroid hormone to a subject, comprising:

determining a level of an enzyme indicative of an osteoblastic process of bone formation, a product of collagen biosynthesis, a product of collagen degradation, or a combination thereof in a biological sample from the subject; and

correlating the level determined with an effect of administration of a parathyroid hormone.

48. The method of claim ⁴⁷1, wherein the enzyme indicative of an osteoblastic process of bone formation comprises a bone specific alkaline phosphatase.

49. The method of claim ⁴⁸2, further comprising:
determining an elevated level of the bone specific alkaline phosphatase in a period subsequent to initiation of administration of the parathyroid hormone to the subject;
correlating the elevated level of the bone specific alkaline phosphatase in the subject with a desired response to administration of the parathyroid hormone.

⁵⁰ 50. The method of claim ⁴⁹3, wherein the period subsequent to initiation of administration of the parathyroid hormone comprises a period of 0 to about 15 months after initiation of administration.

⁵¹ 51. The method of claim ⁵⁰4, further comprising:
determining an elevated level of the procollagen I C-terminal propeptide in a period just after initiation of administration of the parathyroid hormone to the subject;
correlating the elevated level of the procollagen I C-terminal propeptide in the subject with a desired response to administration of the parathyroid hormone.

526.

37.

54.8.

559.

56 10

~~57~~

1582.

(a) determining the difference for said subject between the level of said

(b) comparing the difference for said subject determined in step (a) with known

said parathyroid hormone has been administered to said other human

correlated amounts of subsequent change in spine bone mineral density

(c) determining the known correlated amount of subsequent change in spine bone

513.

administering to said subject a parathyroid hormone consisting of amino acid

without concurrent administration of an antiresorptive agent other than vitamin D

in a daily dose of at least about 15 μg to about 40 μg for at least about 12 months up to about 3 years.

⁶⁰/₁₄. The method of claim ⁵/₁₃ wherein said human subject is at risk of or has osteoporosis arising from a hypogonadal condition.

⁶¹/₁₅. The method of claim ⁶⁰/₁₄ wherein said hypogonadal condition is age-related.

⁶²/₁₆. An article of manufacture comprising packaging material and a pharmaceutical composition contained within said packaging material, said composition comprising a parathyroid hormone consisting of amino acid sequence 1-34 of human parathyroid and

said packaging material comprising printed matter which indicates that

said composition is effective for concurrently reducing the risk of both vertebral and non-vertebral bone fracture in a male human subject at risk of or having osteoporosis when administered to said subject such that said parathyroid hormone is administered

without concurrent administration of an antiresorptive agent other than vitamin D or calcium,

in a daily dose of at least about 15 μg to about 40 μg for at least about 12 months to about 3 years.